

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY**  
**OCTOBER 2005**  
**GOOD NEWS**

**BIOLOGICAL SCIENCES**

Dr. Ned Williams and McGraw-Hill have joined into a partnership whereby Dr. Williams' Human Anatomy class will be a beta testing site for McGraw-Hill's new Human Dissection software. Toward this purpose, McGraw-Hill has equipped the Human Anatomy laboratory with six Dell computers.

One of Dr. Williams' former students, who is now an M.D. here at the Mankato Clinic, recently performed a medical procedure on Dr. Williams. Three days later, the former student and now medical doctor performed surgery on Dr. Williams' wife. Both procedures were successful.

**COMPUTER AND INFORMATION SCIENCES**

Dr. Mike Wells was selected by the Minnesota State Colleges and Universities System to serve on the evaluation committee for the Business/Technology area of the Centers of Excellence initiative.

Drs. Colin Wightman and Rebecca Bates, working in collaboration with SpeechGear, Inc. of Northfield, MN, have received a \$200K contract for "Remote Speech Recognition System Enhancement" from DARPA and the Office of Naval Research.

Dr. Rebecca Bates presented the paper "Constructing an interdisciplinary peer mentoring network for first year faculty" at the ASEE (engineering education) Annual Conference & Exposition held in June 2005 in Portland, OR.

Dr. Bates presented the paper "Meeting Acts: A labeling system for group interaction in meetings" at Interspeech 2005 in Lisboa, Portugal in September 2005. The paper was co-authored with students Elizabeth Willingham, Chad Kuyper and Patrick Menning.

Dr. Bates has received travel funding through the SIGCSE Outreach Project to present a workshop, "Kinesthetic Learning the Classroom" at the Seventh Annual Northwest Regional Conference of the Consortium for Computing Sciences in Colleges on October 14-15, 2005.

**ELECTRICAL AND COMPUTER ENGINEERING AND TECHNOLOGY**

Dr. Bill Hudson recently had presenters from Winland Electronics, Daktronics, and DayPort meeting with his Senior Design courses. He has also been notified that Metropolitan Police Federation has made a \$41,975 contribution to the Force Science Research Center to support their research efforts.

Dr. Bill Hudson mentored a McNair Scholar this past summer, Abudul Ali, who was subsequently invited to the Sixth annual Berkeley Edge Conference at the

University of California, Berkeley. Abudul was selected from a highly competitive national pool of outstanding science, mathematics and engineering students. The Berkeley Edge is one of the National Science Foundation's Alliances for Graduate Education and the programs are designed to increase substantially the number of doctorates awarded to underrepresented minorities and to diversify the nation's faculty in science, mathematics and engineering.

### **MATHEMATICS AND STATISTICS**

Due to the MnSCU-wide collaboration and efforts, we now have a comprehensive site license for both Mathematica (<http://www.wolfram.com>) and Maple (<http://www.maplesoft.com>). These licenses cover every machine belonging to the university such as lab and faculty office machines, plus faculty home machines (for educational purposes) costing less than a single lab license fee.

Currently this software is installed in ACC #116 and open section C & D area. If any faculty or staff member is interested in using this software, please contact Dr. Namyong Lee in Mathematics and Statistics.

Drs. Mezbahur Rahman, Larry M. Pearson and Herbert C. Heien (2005). "A modified Anderson-Darling test for uniformity; Forthcoming, the Bulletin of the Malaysian Mathematical Sciences Society, Volume 29, Number 1.